Method for controlling an organic light-emitting diode display, and display applying this method.

5 Method for controlling an organic light-emitting diode display, said display (400) comprising a plurality of organic light-emitting diodes (OLEDs) (212) having an anode and a cathode, said organic light emitting diodes (212) being arranged in a common anode configuration, whereby said diodes (212) co-operate with constant 10 current sources (214) and are fed by means of a power supply, characterized in that a power compensation is applied, in which a voltage drop is measured across the current sources (214) and wherein the measured voltage drop is used as an indicator for 15 the light output of the organic light emitting diodes (212) and wherein said power supply is adjusted in function of said measured voltage drop.